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NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 28 CA/Caplus patent coverage enhanced
NEWS 3 JUL 28 EPFULL enhanced with additional legal status
information from the epoline Register
NEWS 4 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5 JUL 28 STN Viewer performance improved
NEWS 6 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7 AUG 13 CA/Caplus enhanced with printed Chemical Abstracts
page images from 1967-1998
NEWS 8 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 9 AUG 15 Caplus currency for Korean patents enhanced
NEWS 10 AUG 27 CAS definition of basic patents expanded to ensure
comprehensive access to substance and sequence
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NEWS 11 SEP 18 Support for STN Express, Versions 6.01 and earlier,
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NEWS 12 SEP 25 CA/Caplus current-awareness alert options enhanced
to accommodate supplemental CAS indexing of
exemplified prophetic substances
NEWS 13 SEP 26 WPIDS, WINDEX, and WPIX coverage of Chinese and
and Korean patents enhanced
NEWS 14 SEP 29 IFICLS enhanced with new super search field
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NEWS 16 SEP 30 CAS patent coverage enhanced to include exemplified
prophetic substances identified in new Japanese-
language patents
NEWS 17 OCT 07 EPFULL enhanced with full implementation of EPC2000
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number searching
NEWS 19 OCT 22 Current-awareness alert (SDI) setup and editing
enhanced
NEWS 20 OCT 22 WPIDS, WINDEX, and WPIX enhanced with Canadian PCT
Applications
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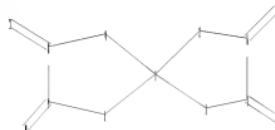
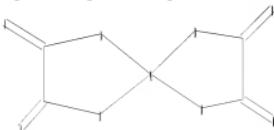
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chain nodes :

ring nodes :

Ping nodes :

chain bonds :

chain bonds :
6-13 7-12 8-11 9-10

ring bonds :

ring bonds : 1-2 1-3 1-4 1-5 2-6 3-7 4-8 5-9 6-7 8-9
exact/norm bonds : 1-2 1-3 1-4 1-5 2-6 3-7 4-8 5-9 6-7 6-13 7-12 8-9 8-11 9-10

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d his

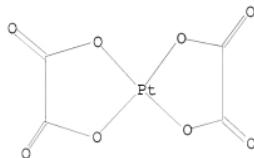
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=> d 11

L1 HAS NO ANSWERS

L1 STR



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=> s 11

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SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 7 TO 298
PROJECTED ANSWERS: 7 TO 298

L2 7 SEA SSS SAM L1

=> fil caplus
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0.46 0.67

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FILE COVERS 1907 - 27 Oct 2008 VOL 149 ISS 18
FILE LAST UPDATED: 26 Oct 2008 (20081026/ED)

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=> s 12/prep
      7 L2
      4658370 PREP/RL
L3      1 L2/PREP
          (L2 (L) PREP/RL)
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=> d bib abs
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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:89632 CAPLUS
DN 128:162185
OREF 128:31773a,31776a
TI Crystal structure, 195Pt NMR chemical shifts, vibrational spectra, and normal coordinate analyses of trans-dihalobis(oxalato)platinates(IV), trans-[PtX₂(ox)₂]₂- (X = Cl, Br, I)
AU Preetz, W.; Uttecht, J. G.
CS Institut Anorganische Chemie, Christian-Albrechts-Universitaet, Kiel,
D-24098, Germany
SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (1998), 53(1),
93-100
CODEN: ZNBSEN; ISSN: 0932-0776
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA German
AB By reaction of (n-Bu₄N)₂[Pt(ox)₂] with elemental halogens in dichloromethane trans-[PtX₂(ox)₂]₂- (X = Cl, Br, I) are formed. The crystal structures of trans-(py2CH₂)[PtCl₂(ox)₂].C₄H₆O₃ (monoclinic, space group P21/n, a = 12.119(3), b = 14.926(2), c = 12.666(4) Å, β = 91.26(3)°, Z = 4), trans-(py2CH₂)[PtBr₂(ox)₂] (monoclinic, space group P21/n, a = 7.402(8), b = 16.997(3), c = 14.898(3) Å, β = 98.15(3)°, Z = 4) and trans-(py2CH₂)[PtI₂(ox)₂].C₃H₇NO (orthorhombic, space group Pnma, a = 10.380(9), b = 13.973(2), c = 17.440(4) Å, Z = 4) were determined by single crystal x-ray diffraction anal. Highly resolution IR and Raman spectra were measured at low temperature (10 K). Using the mol. parameters of the x-ray detns. normal coordinate analyses based on a modified valence force field were performed and the normal modes of vibration are assigned. The valence force consts. are fd(PtCl) = 2.19, fd(PtBr) = 1.68, fd(PtI) = 1.28 mdyn/Å and fd(PtO) ranges from 2.71 to 2.82 mdyn/Å. The observed 195Pt NMR shifts are δ(195Pt) = 6472.4 (X = Cl), 6027.1 (Br), and 5142.7 ppm (I).

=> s 12
L4 7 L2

=> s 14 not 13
L5 6 L4 NOT L3

=> d 1-6 bib abs

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:128421 CAPLUS
DN 140:349573

TI Solution equilibria leading to the formation of metal-metal bonds in partially oxidized bisoxalatoplatinate(II) systems

AU Keller, Barbara J.; Hurst, Stephanie K.; Dunham, Steven O.; Spangler, Lee; Abbott, Edwin H.; Peterson, Eric S.

CS Department of Chemistry and Biochemistry, Montana State University, Bozeman, MT, 59717-3400, USA

SO Inorganica Chimica Acta (2004), 357(3), 853-858
CODEN: ICHAA3; ISSN: 0020-1693

PB Elsevier Science B.V.

DT Journal

LA English

AB The reaction between $[Pt^{II}(Ox)_2]^{2-}$ and an appropriate oxidant gave the dimeric unbridged Pt complex $\{[Pt^{III}(Ox)_2]_2\}^{2-}$ where (Ox) is oxalate. This complex was moderately stable under ambient conditions and was studied via a variety of NMR and spectrophotometric techniques. Reaction of the $\{[Pt^{III}(Ox)_2]_2\}^{2-}$ complex with $[Pt^{II}(Ox)_2]^{2-}$ in the presence of H⁺ give longer Pt oligomers with nonintegral oxidation states, culminating in the formation of partially oxidized Pt polymers $\{[Pt(Ox)_2]_n\}^{n-}$. The concentration of H⁺ was an important factor leading to higher oligomers and the approx. number of protons associated with each oligomer was determined. The analogous

$\{[Pt^{III}(Mal)_2]_2\}^{2-}$ complex, where (Mal) is the malonate anion, was also synthesized and studied, but is significantly less stable.

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1988:66644 CAPLUS
DN 108:66644

OREF 108:10904h,10905a

TI Electrical conductivity and thermopower studies on iron bis(oxalato)platinate hydrate ($Fex[Pt(C2O4)_2] \cdot 6H_2O$) (where x .simeq. 0.8)

AU Kaye, B.; Underhill, A. E.; Mortensen, K.; Carneiro, K.; Shen, Yueqiang; Jacobsen, C. S.; Bertinotti, A.

CS Inst. Mol. Biomol. Electron., Univ. Coll. North Wales, Bangor/Gwynedd, LL57 2UW, UK

SO Synthetic Metals (1987), 22(1), 35-40
CODEN: SYMEDZ; ISSN: 0379-6779

DT Journal

LA English

AB The elec. conductivity (d.c. and 35 GHz) and thermopower of $Fex[Pt(C2O4)_2] \cdot 6H_2O$,

Fe-OP, are presented and compared with those of other partially oxidized bis(oxalato)platinate salts of divalent cations. At room temperature Fe-OP is metallic with a conductivity of 6 S cm⁻¹ and a thermopower of 15 $\mu V/K$. Below room temperature there is a structural transition, which has little effect on transport properties. Below 160 K Fe-OP is a semiconductor with an activation energy of 55 meV.

- L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1987:525062 CAPLUS
DN 107:125062
OREF 107:20075a,20078a
TI Solid-state properties of one-dimensional metals based on bis(oxalato)platinate anions with divalent cations
AU Braude, A.; Carneiro, K.; Jacobsen, C. S.; Mortensen, K.; Turner, D. J.; Underhill, A. E.
CS Lab. Appl. Phys., Tech. Univ. Denmark, Lyngby, DK-2800, Den.
SO Physical Review B: Condensed Matter and Materials Physics (1987), 35(15), 7835-46
CODEN: PRBMDO; ISSN: 0163-1829
DT Journal
LA English
AB The crystal structures, superstructures, d.c. conductivity, optical properties, and thermopower of 6 linear-chain conductors of the type M_{0.8}[Pt(C₂O₄)₂]·6H₂O, where M is a divalent metal (M = Ni, Co, Zn, Fe, Mg, Mn), were studied. At high temps. they form a common orthorhombic metallic phase (I) with conductivities of 30-200 (Ω cm)⁻¹ and thermopowers of 5-10 μV/K, with the lattice weakly modulated by the one-dimensional Peierls distortion. Below T₁, three compds. (Ni,Co,Zn) form a semiconducting phase (A-II) due to the ordering of the [M(H₂O)₆]²⁺ cations. As the cation superlattice is commensurate with the 3-dimensional Peierls distortion, these salts transform at a lower temperature T₂ into a charge-d-wave phase (A-III). In the other 3 compds. (Fe,Mg,Mn), the cations order in a superlattice (phase B-II) which is incommensurate with both the average Pt-ion lattice and the 3-dimensional Peierls distortion, and therefore no charge-d-wave state is formed. The influence of competing interactions is briefly discussed.
- L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1985:442834 CAPLUS
DN 103:42834
OREF 103:6871a,6874a
TI Charge density waves or Wigner para-crystal in 1-dimensional-bis(oxalato)platinate salts?
AU Bertinotti, A.; Luzet, D.
CS Serv. Phys. Solide, CEN-SACLAY, Gif-sur-Yvette, 91191, Fr.
SO Molecular Crystals and Liquid Crystals (1985), 120(1-4), 421-6
CODEN: MCLCA5; ISSN: 0026-8941
DT Journal
LA English
AB Further structural evidence is presented, with particular reference to 1-dimensional M_x[Pt(C₂O₄)₂]·6H₂O(M = Mg, Fe and Cu and x ≈ 0.82), for the existence in these systems of a superstructure of electrons (or holes) which is locally commensurate with the underlying lattice but statistically incommensurate along the chains.
- L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1978:412879 CAPLUS
DN 89:12879
OREF 89:1977a,1980a
TI Proof of the existence of aqua complexes in acidified solutions of hydroxo complexes of platinum(IV) by a statistical method
AU Budanova, N. S.; Zheligovskaya, N. N.; Chernova, N. A.; Spitsyn, V. I.
CS Mosk. Gos. Univ., Moscow, USSR
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1978), (3), 670-3
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Russian
AB Statistical treatment of titration curves for Pt(IV) dihydroxy complexes M₂[PtX₄(OH)₂] (M = K, NH₄; X = Cl, Br, I, NO₂, NO₃, 1/2C₂O₄) at 0.50

showed conversion to mono- and diaqua complexes. Acid dissociation consts. were calculated

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1975:8219 CAPLUS
DN 82:8219
OREF 82:1321a,1324a
TI Study of the processes occurring in solutions of acidohydroxyl platinate(IV) complexes in an acidic medium using the methods of mathematical statistics
AU Budanova, N. S.; Zheligovskaya, N. N.; Spitsyn, V. I.
CS Mosk. Gos. Univ. im. Lomonosova, Moscow, USSR
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1974), (9), 1927-30
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Russian
AB Elec. conductivity, pH, and uv spectral studies indicate that none of the aqua complexes formed in solns. of K₂PtCl₄(OH)₂, K₂Pt(NO₂)₃(NO₃)(OH), K₂Pt(C₂O₄)₂(OH)₂, or K₂Pt(NO₂)₄(OH)₂ contain Pt(II). Acid dissociation consts. of the aqua complexes were determined potentiometrically. Dispersion anal. of the acid dissociation consts. shows that anions of the acids used in titration do not displace aqua ligands from the inner coordination sphere and that no polynuclear Pt(IV) complexes are formed.

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